

AMENDMENTS TO THE CLAIMS

- 1-4. (PREVIOUSLY CANCELLED)
5. (CURRENTLY AMENDED) A tape for bridging gaps between building modules of modular buildings, the tape including:
- a tacky adhesive layer having a lower surface and an opposing upper surface; and
 - a porous reinforcing layer embedded within the adhesive layer between the lower and upper surfaces thereof, wherein the reinforcing layer is configured to have a reinforcing layer stiffness such that the tape does not sag more than 0.5 inches when bridging a gap of four inches between building modules, ‡
~~wherein the tape is configured to bridge a gap of four inches between building modules without sagging more than 0.5 inches.~~
6. (PREVIOUSLY PRESENTED) The tape of claim 5 wherein the reinforcing layer includes a porous scrim material having a scrim width at least as great as the width of the gap.
7. (PREVIOUSLY PRESENTED) The tape of claim 6 wherein the scrim material includes interstices penetrated by the adhesive layer.
8. (CURRENTLY AMENDED) The tape of claim 7 wherein the scrim material is a perforated plastic or metal strip, selected from a group consisting of an absorbent or woven cloth, porous fiberglass fabric, wire or plastic screen mesh, and a perforated plastic or metal strip.
9. (PREVIOUSLY PRESENTED) The tape of claim 5 wherein the tape is configured to be sufficiently flexible longitudinally to permit its being rolled into a roll of tape.
10. (PREVIOUSLY CANCELLED)

11. **(CURRENTLY AMENDED)** The tape of claim 5 wherein the adhesive layer includes at least one of the materials selected from a group consisting of EPDM, EPR, TPO, PVC, Neoprene, Butyl, Polyisobutylene, Halogenated Butyl, Halogenated Polyisobutylene, Isobutylene, reclaimed Butyl, natural rubber, and Polydimethylsiloxane (~~PDMS~~).
12. **(PREVIOUSLY PRESENTED)** The tape of claim 11 wherein the adhesive layer includes a blend of uncured Butyl and semi-cured polymers.
13. **(CURRENTLY AMENDED)** The tape of claim 5 wherein the adhesive layer with the reinforcing layer embedded therein has a thickness between at least substantially ~~between~~ 0.040 and 0.060 inches.
14. **(PREVIOUSLY CANCELLED)**
15. **(PREVIOUSLY PRESENTED)** The tape of claim 5 wherein the adhesive layer includes cross-linked polymers.
16. **(PREVIOUSLY PRESENTED)** The tape of claim 5 further including a protective outer layer permanently adhered to the upper surface of the adhesive layer.
17. **(CURRENTLY AMENDED)** The tape of claim 16 wherein the protective outer layer is:
 - a. non-adhesive; and
 - b. between at least substantially ~~between~~ 0.040 and 0.060 inches thick.

18. **(CURRENTLY AMENDED)** A tape for bridging a gap having a gap width between adjacent building modules, the tape including:
- a. an elastomeric adhesive layer having:
 - 1. an adhesive layer width; and
 - 2. a tacky lower surface and an opposing tacky upper surface;
 - b. a porous reinforcing layer embedded entirely within the adhesive layer between the lower surface and the upper surface thereof, the reinforcing layer: ~~having:~~
 - 1. having a multiplicity of interstices; **and**
 - 2. having a reinforcing layer width having a magnitude at least substantially between the gap width and the adhesive layer width; **and**
 - 3. being configured to have a reinforcing layer stiffness such that the tape does not sag more than 0.5 inches when bridging a gap of four inches between building modules;

wherein the adhesive layer:

- I. extends through the interstices of the reinforcing layer between the lower and upper surfaces thereof; and
 - II. has a thickness between at least substantially ~~between~~ 0.040 and 0.060 inches.
19. **(CURRENTLY AMENDED)** The tape of claim 18 wherein:
- a. the adhesive layer includes at least one of the materials selected from a group consisting of EPDM, EPR, TPO, PVC, Neoprene, Butyl, Polyisobutylene, Halogenated Butyl, Halogenated Polyisobutylene, Isobutylene, reclaimed Butyl, natural rubber and Polydimethylsiloxane (~~PDMS~~); and
 - b. the reinforcing layer includes ~~at least one of the materials selected from a group consisting of an absorbent or woven cloth, porous fiberglass fabric, wire or plastic screen mesh, and a~~ perforated plastic or metal strip.

20. **(CURRENTLY AMENDED)** The tape of claim 18 further including a protective outer layer permanently adhered to and covering the tacky upper surface of the adhesive layer, the protective outer layer being non-adhesive and having a thickness between at least substantially ~~between~~ 0.040 and 0.060 inches.
21. **(PREVIOUSLY PRESENTED)** The tape of claim 20 wherein the adhesive layer includes cross-linked polymers.
22. **(CURRENTLY AMENDED)** A roof system for modular buildings, the roof system including a building including adjacent building modules with roof sections having a gap therebetween, the roof system including:
- a. roof membranes covering the roof sections and providing coextensive spaced edge strips along the gap; and
 - b. a tape ~~positioned over~~ bridging the gap, the tape including:
 1. an elastomeric adhesive layer having a tacky upper surface and an oppositely facing tacky lower surface sealably adhered to the spaced edge strips of the roof membranes;
 2. a porous reinforcing layer embedded entirely within the adhesive layer; and
 3. a protective outer layer adhered to the upper surface of the adhesive layer;

wherein the reinforcing layer has a reinforcing layer stiffness configured such that when the tape is adhered to the roof membranes, the tape is configured to bridge four-inch gaps between adjacent building modules without sagging more than 0.5 inches between the roof sections.

~~wherein the tape is configured to bridge gaps between adjacent building modules without substantial sagging between the roof sections.~~
23. **(PREVIOUSLY PRESENTED)** The roof system of claim 22 wherein:
- a. the reinforcing layer includes scrim material having interstices therethrough, and
 - b. the adhesive layer at least substantially extends through the interstices of the reinforcing layer.

24. **(PREVIOUSLY PRESENTED)** The roof system of claim 23 wherein:
- the reinforcing layer has a width at least substantially equal to the width of the gap between the roof sections, and
 - the adhesive layer has a width at least substantially equal to or greater than the width of the reinforcing layer.
25. **(CURRENTLY AMENDED)** A method of using the roof system of claim 23 including the steps of:
- providing the tape in a roll with the reinforcing layer embedded in the adhesive layer and with a release strip temporarily adhered to one of the tacky surfaces of the adhesive layer,
 - unrolling the tape and removing the release strip from said one tacky surface,
 - positioning the tape lengthwise over the gap, and
 - adhering the lower tacky surface of the adhesive layer to the spaced edge strips of the roof membranes without placing a stiff bridging member over the gap.
- 26-27. **(PREVIOUSLY CANCELLED)**
28. **(CURRENTLY AMENDED)** The tape of claim 18 wherein the reinforcing layer is configured to be:
- sufficiently rigid ~~such that~~ transversely such that when the tape is installed without transverse tension applied thereto, the tape bridges a gap of four inches between building modules without sagging more than 0.5 inches; and
 - sufficiently flexible such that the tape can be rolled into a roll of tape.

29. **(CURRENTLY AMENDED)** A tape for bridging a gap between building modules,
- a. the tape including:
 1. a tacky adhesive layer having an upper surface and an opposing lower surface;
 2. a reinforcing layer embedded within the adhesive layer and confined between the upper and lower surfaces thereof; and
 3. a protective outer layer permanently adhered to the upper surface of the adhesive layer;
 - b. wherein the reinforcing layer is configured to have a reinforcing layer stiffness such that the tape bridges a four-inch gap between building modules without sagging more than half an inch.
 - ~~b. wherein the tape is configured to bridge a gap between building modules without sagging more than half an inch.~~
30. **(PREVIOUSLY PRESENTED)** The tape of claim 29 wherein:
- a. each of the adhesive layer and the reinforcing layer has a thickness no greater than 0.06 inches, and
 - b. the reinforcing layer:
 1. includes a screen-like mesh having apertures formed therein; and
 2. has a width that is no greater than the width of the adhesive layer.
31. **(PREVIOUSLY PRESENTED)** The tape of claim 30 wherein the reinforcing layer includes a series of elongated fibers having a long axis extending transversely within the adhesive layer, the elongated fibers being spaced from each other along the length of the tape.
32. **(NEW)** The tape of claim 5 wherein the reinforcing layer is configured such that the tape does not sag more than 0.5 inches over a four-inch gap when the tape is adhered to the building modules without tension being applied transversely thereto.

33. **(NEW)** The tape of claim 29 wherein the reinforcing layer is configured to have:
- a. sufficient transverse rigidity such that the tape does not sag more than 0.5 inches over a four-inch gap when the tape is adhered to the building modules without tension being applied transversely thereto; and
 - b. sufficient longitudinal rigidity such that the tape can be tightly rolled into a roll of tape.
34. **(NEW)** The tape of claim 33 wherein:
- a. the reinforcing layer:
 1. is a plastic polypropylene or polyethylene screen-like mesh; and
 2. has a thickness between at least substantially 0.03 and 0.05 inches; and
 - b. the adhesive layer has a thickness between at least substantially 0.04 and 0.06 inches.